

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9	("6141471" "5007700" "20020051607" "20020037143" "20060034570" "6257772" "20020048436" "20010033722" "6371664").pn.	US-PGPUB; USPAT	OR	OFF	2007/12/04 11:59
L2	9	L1 and (adher\$4 resin\$2 adhesiv\$2 epox\$4 paste) near9 (waveguide\$1 fiber\$1 fibre\$1 emit\$4 semiconduct\$3 LD\$1 laser source trench\$2 groove\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2007/12/04 11:59
L3	8	L2 and (adher\$4 resin\$2 adhesiv\$2 epox\$4 paste) near9 (waveguide\$1 fiber\$1 fibre\$1 )	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2007/12/04 11:59
L4	1420	(trench\$2 groove\$1) near9 (waveguide\$1 fiber\$1 fibre\$1) near12 (emit\$4 semiconductor LD\$1 laser source) same (submount substrate mount base)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/04 12:00
L5	2712	(trench\$2 groove\$1) near9 (waveguide\$1 fiber\$1 fibre\$1) near12 (emit\$4 semiconductor\$3 LD\$1 laser source)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/04 12:00
L6	487	(adher\$4 resin\$2 adhesiv\$2 apox\$4) near12 (trench\$3 groove\$1) same (waveguide\$1 fiber\$1 fibre\$1) same (emit\$4 semiconductor LD\$1 laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/04 12:00
L7	169	L4 and L5 and L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/04 12:00
L8	42	(adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near5 (trench\$2 groove\$1) same (waveguide fiber fibre) same (emit\$4 semiconductor LD\$1 laser)	JPO	OR	OFF	2007/12/04 12:00
L9	9	L7 not L8	JPO	OR	OFF	2007/12/04 12:00
L10	121	L7 and ((second third fourth) adj1 (trench groove) trenches grooves)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/04 12:00
L11	113	L10 not (L8 L9)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/04 12:00
S4	1	"10/534438"	US-PGPUB; USPAT	OR	OFF	2006/11/29 16:56

## EAST Search History

S7	1	S4 and (laser\$1 LD\$1) and (first second thrid fourth groov\$2) same (waveguide\$1)	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:41
S8	1	S4 and (laser\$1 LD\$1) same (first second thrid fourth groov\$2) same (waveguide\$1)	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:17
S9	1	S4 and (thrid fourth groov\$2) and ((end\$2 face) near7 (laser device waveguide\$1))	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:42
S10	1	S4 and (thrid fourth) near7 groov\$2 and ((end\$2 face) near7 (laser device waveguide\$1))	US-PGPUB; USPAT	OR	OFF	2006/11/29 16:29
S11	1	S4 and (thrid fourth) near7 groov\$2	US-PGPUB; USPAT	OR	OFF	2006/11/29 16:32
S12	1	(JP3156444 "3156444")	JPO; DERWENT	OR	OFF	2006/11/29 16:34
S13	1	JP3156444 JP adj1 "3156444" "3156444"	JPO; DERWENT	OR	OFF	2006/11/29 16:55
S14	1	S4 and (blue harmon\$4)	US-PGPUB; USPAT	OR	OFF	2006/11/29 17:15
S15	433	(adher\$4 resin\$2 adhesiv\$2 apox\$4) near12 groove\$1 same (waveguide\$1 fiber\$1 fibre\$1) same (emit\$4 semiconductor LD\$1 laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/29 17:20
S16	34	(adher\$4 resin\$2 adhesiv\$2 apox\$4) near12 groove\$1 same (waveguide\$1 fiber\$1 fibre\$1) same (emit\$4 semiconductor LD\$1 laser) same (thermal temperatur\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/29 17:22
S17	23	(adher\$4 resin\$2 adhesiv\$2 apox\$4) near7 groove\$1 same (waveguide\$1 fiber\$1 fibre\$1) same (emit\$4 semiconductor LD\$1 laser) same (thermal temperatur\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 16:34
S18	193	(adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near7 (trench\$2 groove\$1) same (waveguide\$1 fiber\$1 fibre\$1 emit\$4 semiconductor LD\$1 laser) same (thermal temperatur\$2)	JPO; DERWENT	OR	OFF	2006/11/29 17:27
S19	142	(adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near7 (trench\$2 groove\$1) same (waveguide\$1 fiber\$1 fibre\$1 emit\$4 semiconductor LD\$1 laser) same (thermal temperatur\$2)	JPO	OR	OFF	2006/12/04 13:07

## EAST Search History

S20	78	(adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near5 (trench\$2 groove\$1) same (waveguide\$1 emit\$4 semiconductor LD\$1 laser) same (thermal temperatur\$2)	JPO	OR	OFF	2006/11/29 17:28
S21	1	(adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near5 (trench\$2 groove\$1) same (waveguide\$1) same (emit\$4 semiconductor LD\$1 laser) same (thermal temperatur\$2)	JPO	OR	OFF	2006/11/29 17:29
S22	2	(adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near5 (trench\$2 groove\$1) same (waveguide fiber fibre) same (emit\$4 semiconductor LD\$1 laser) same (thermal temperatur\$2)	JPO	OR	OFF	2006/11/29 17:30
S23	40	(adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near5 (trench\$2 groove\$1) same (waveguide fiber fibre) same (emit\$4 semiconductor LD\$1 laser)	JPO	OR	OFF	2006/11/30 16:46
S24	347	(adher\$4 resin\$2 adhesiv\$2 apox\$4) near7 groove\$1 same (waveguide\$1 fiber\$1 fibre\$1) same (emit\$4 semiconductor LD\$1 laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/29 17:37
S25	23	(adher\$4 resin\$2 adhesiv\$2 apox\$4) near7 groove\$1 same (waveguide\$1 fiber\$1 fibre\$1) same (emit\$4 semiconductor LD\$1 laser) same (thermal temperatur\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 16:35
S26	1338	(trench\$2 groove\$1) near9 (waveguide\$1 fiber\$1 fibre\$1) near12 (emit\$4 semiconductor LD\$1 laser source) same (submount substrate mount base)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 16:39
S27	2536	(trench\$2 groove\$1) near9 (waveguide\$1 fiber\$1 fibre\$1) near12 (emit\$4 semiconduct\$3 LD\$1 laser source)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 16:41
S28	453	(adher\$4 resin\$2 adhesiv\$2 apox\$4) near12 (trench\$3 groove\$1) same (waveguide\$1 fiber\$1 fibre\$1) same (emit\$4 semiconductor LD\$1 laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:06
S29	163	S26 and S27 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:07
S30	40	(adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near5 (trench\$2 groove\$1) same (waveguide fiber fibre) same (emit\$4 semiconductor LD\$1 laser)	JPO	OR	OFF	2006/11/30 17:52

## EAST Search History

S31	9	S29 not S30	JPO	OR	OFF	2006/11/30 16:47
S32	118	S29 and ((second third fourth) adj1 (trench groove) trenches grooves)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:09
S34	110	S32 not (S30 S31)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/04 12:00
S35	1	"20020001427".pn.	US-PGPUB; USPAT	OR	OFF	2006/11/30 17:44
S36	0	S35 and (groov\$2 near5 resin\$2)	US-PGPUB; USPAT	OR	OFF	2006/11/30 17:44
S37	0	S35 and (groov\$2 near7 resin\$2)	US-PGPUB; USPAT	OR	OFF	2006/11/30 17:45
S38	1	S35 and (groov\$2 near12 resin\$2)	US-PGPUB; USPAT	OR	OFF	2006/11/30 17:45
S39	0	S34 and (adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near11 (thermal\$3 temperatur\$2)	JPO	OR	OFF	2006/11/30 17:53
S40	28	S34 and (adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near11 (thermal\$3 temperatur\$2)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 18:16
S41	28	S34 and (adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near11 (thermal\$3 temperatur\$2)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 19:55
S42	0	11/396185	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 18:16
S43	22	S40 and (adher\$4 resin\$2 adhesiv\$2 apox\$4) near5 (trench\$3 groove\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 19:57
S44	41	S34 and (adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) same (thermal\$3 temperatur\$2)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 20:10
S45	19	S44 not S43	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 19:57
S46	12	S45 and (adher\$4 resin\$2 adhesiv\$2 apox\$4) near5 (trench\$3 groove\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 19:58

## EAST Search History

S47	12	S45 and (adher\$4 resin\$2 adhesiv\$2 epox\$4) near5 (trench\$3 groove\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 19:58
S48	88	(epox\$4) near12 (trench\$3 groove\$1) same (waveguide\$1 fiber\$1 fibre\$1) same (emit\$4 semiconductor LD\$1 laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:06
S49	18	S26 and S27 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:07
S50	18	S49 not (S40 S45)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:08
S51	18	S49 not (S25 S30)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:09
S52	18	S49 not (S31)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:09
S53	13	S52 and ((second third fourth) adj1 (trench groove) trenches grooves)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:10
S54	0	S53 and (adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) same (thermal\$3 temperatur\$2)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 20:20
S55	0	"6141471,pn."	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:17
S56	2	"6141471".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/30 20:18
S57	0	S56 and (adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near7 (fiber\$1 waveguide\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 20:18
S58	0	S56 and (adher\$4 resin\$2 adhesiv\$2 apox\$4 paste) near7 (fiber\$1 fibre\$1 waveguide\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 20:18

## EAST Search History

S59	9	("6141471" "5007700" "20020051607" "20020037143" "20060034570" "6257772" "20020048436" "20010033722" "6371664").pn.	US-PGPUB; USPAT	OR	OFF	2006/11/30 20:20
S60	13	S53 and (adher\$4 resin\$2 adhesiv\$2 epox\$4 paste) near9 (waveguide\$1 fiber\$1 fibre\$1 emit\$4 semiconduct\$3 LD\$1 laser source trench\$2 groove\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 20:24
S61	9	S59 and (adher\$4 resin\$2 adhesiv\$2 epox\$4 paste) near9 (waveguide\$1 fiber\$1 fibre\$1 emit\$4 semiconduct\$3 LD\$1 laser source trench\$2 groove\$1)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 20:24
S62	8	S59 and (adher\$4 resin\$2 adhesiv\$2 epox\$4 paste) near9 (waveguide\$1 fiber\$1 fibre\$1 )	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2006/11/30 20:25
S63	8	S61 and (adher\$4 resin\$2 adhesiv\$2 epox\$4 paste) near9 (waveguide\$1 fiber\$1 fibre\$1 )	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2007/12/04 11:59
S64	1	"10/534438"	US-PGPUB; USPAT	OR	OFF	2006/12/04 11:29
S65	1	"6371664".pn.	US-PGPUB; USPAT	OR	OFF	2006/12/04 12:26
S66	1	S65 and (micro\$6 mm nano\$6 nm)	US-PGPUB; USPAT	OR	OFF	2006/12/04 12:29
S67	1	S65 and (micro\$6 mm nano\$6 nm siz\$2 dimens\$5 length\$2 width\$2 meter\$1 \$6meter "6"\$metrs)	US-PGPUB; USPAT	OR	OFF	2006/12/04 12:37
S68	1	S65 and (micro\$6 mm nano\$6 nm siz\$2 dimens\$5 length\$2 width\$2 meter\$1 \$6meter "6"\$metrs 'mu')	US-PGPUB; USPAT	OR	OFF	2006/12/04 12:45
S69	1	S65 and (micro\$6 mm nano\$6 nm siz\$2 dimens\$5 length\$2 width\$2 meter\$1 \$6meter "6"\$metrs "'mu.'" ". mu'" ".mu.")	US-PGPUB; USPAT	OR	OFF	2006/12/04 12:47
S70	1	S65 and ("..mu.m" "..mu.m" "mu.m")	US-PGPUB; USPAT	OR	OFF	2006/12/04 12:47
S71	1	S65 and (micro\$6 mm nano\$6 nm siz\$2 dimens\$5 length\$2 width\$2 meter\$1 \$6meter "6"\$metrs ".mu.m" "..mu.m" "mu.m")	US-PGPUB; USPAT	OR	OFF	2006/12/04 13:59
S72	1	S65 and (groov\$3 trench\$4 hole\$2 feasur\$4 slot\$2) same (adher\$4 resin\$2 adhesiv\$2 apox\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/31 11:31

## EAST Search History

S73	1	S65 and (micro\$6 mm nano\$6 nm siz\$2 dimens\$5 length\$2 width\$2 meter\$1 \$6meter "6"\$metrs ".mu.m" ".mu.m" ""mu.m") same (hight height thick\$5 width\$2 length\$2)	US-PGPUB; USPAT	OR	OFF	2006/12/04 14:01
S74	1	"6371664".pn.	US-PGPUB; USPAT	OR	OFF	2007/05/31 11:32
S75	1	S74 and (groov\$3 trench\$4 hole\$2 feasur\$4 slot\$2) same (adher\$4 resin\$2 adhesiv\$2 apox\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/03 19:04
S76	1	S74 and (groov\$3 trench\$4 hole\$2 feasur\$4 slot\$2 fill\$4) same (adher\$4 resin\$2 adhesiv\$2 apox\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/31 11:48
S77	1	S74 and (groov\$3 trench\$4 hole\$2 feasur\$4 slot\$2 fill\$4) same (epox\$4adher\$4 resin\$2 adhesiv\$2 apox\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/31 11:50
S79	1	S74 and (flow\$4 groov\$3 trench\$4 hole\$2 feasur\$4 slot\$2 fill\$4) same (epox\$4 adher\$4 resin\$2 adhesiv\$2 apox\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/31 11:50
S80	1	"6371664".pn.	US-PGPUB; USPAT	OR	OFF	2007/12/03 19:04
S81	1	S80 and (groov\$3 trench\$4 hole\$2 feasur\$4 slot\$2) same (adher\$4 resin\$2 adhesiv\$2 apox\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/03 19:24
S82	1	S80 and (groov\$3 trench\$4 hole\$2 feasur\$4 slot\$2) same (adher\$4 resin\$2 adhesiv\$2 apox\$4 poor\$4 pour\$4 por\$4 spil\$5 overflow\$4 flow\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/03 19:26
S83	1	S80 and (groov\$3 trench\$4 hole\$2 feasur\$4 slot\$2) same (adher\$4 resin\$2 adhesiv\$2 apox\$4 poor\$4 pour\$4 por\$4 spil\$5 overflow\$4 flow\$4 fill\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/12/03 19:26